

A man in a grey t-shirt is operating a large industrial autoclave machine. The machine has a large, hinged lid that is open, revealing a stainless steel interior. The machine is yellow and white. The background shows a factory environment with other equipment and a control panel.

## THE FASTEST AUTOCLAVE CYCLE IN COMPOSITE MANUFACTURING

HIGH-SPEED PRODUCTION. INDUSTRIAL PRECISION.



## RAPIDCLAVE

### COMPACT HIGH-PERFORMANCE AUTOCLAVE

The **RapidClave** redefines autoclave curing through ultra-fast heating and cooling cycles.

#### KEY ADVANTAGES:

- Up to 4× faster cycles than conventional autoclaves
- Up to 60% energy savings
- Significantly reduced floor space requirements
- Lower CAPEX than full-scale autoclave systems

# ACCELERATED AUTOCLAVE PERFORMANCE

## Traditional autoclave systems are limited by:

- Long heating and cooling cycles
- High energy demand
- Fixed installation constraints

The **RapidClave** redefines the curing process.

## An integrated control system precisely monitors the complete heating and cooling process to ensure:

- Repeatable cycle accuracy
- Stable temperature control
- High-quality composite parts
- Reduced energy consumption

## System performance:

- Ultra-fast heating & cooling
- Compact pressure volume
- Mobile system architecture

Total high-temperature cycle time: **approx. 15 minutes.**

## Mobile & Scalable:

- Not location-bound
- Easily relocatable
- Expandable through interchangeable tooling systems
- Multiple cavity configurations within a single tool

## Designed for:

- Rapid production environments
- R&D and validation
- High-performance applications
- Flexible manufacturing setups

## TECHNICAL OVERVIEW

Parameter	Specification
Heating time	70 °C – 200 °C in 4 minutes
Cooling time	200 °C – 70 °C in 4 minutes
Dwell time	Configurable up to 7 minutes
Control	Integrated process control
Mobility	Fully mobile system
Tooling	Multi-cavity capable
Application	Rapid composite production

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